

What Is Claimed Is:

1. A device for accessing a vehicle control system via a wireless link, having a gateway unit mounted in the vehicle which is connected on one side to at least one control unit in the vehicle and includes a link to at least one wireless network on the other side,
wherein the gateway unit is designed so that it is freely configurable via the wireless link.
2. The device as recited in Claim 1,
wherein the gateway unit has at least one microcomputer, which is equipped with a software platform permitting expansion of the software during operation.
3. The device as recited in Claim 2,
wherein the software platform is a Java Virtual Machine.
4. The device as recited in one the preceding claims,
wherein the gateway unit also includes a non-volatile buffer memory and components which provide communication of the unit with a vehicle control unit via at least one vehicle bus.
5. The device as recited in Claim 4,
wherein the at least one vehicle bus is a CAN bus, a MOST bus, or a K line.
6. The device as recited in one the preceding claims,
wherein the gateway unit is also connected to a wireless modem for connection to a wireless network.
7. The device as recited in Claim 6,
wherein this connection is implemented directly or via a bus.
8. The device as recited in one the preceding claims,
wherein software is loadable into the microcomputer of the gateway unit via the wireless network, error memories being readable by control units connected to the gateway unit, and/or status information of the motor vehicle being retrievable, and/or

software being loadable into other control units, and/or at least one actuator of the motor vehicle being controllable with the help of this software.

9. The device as recited in one the preceding claims,
wherein results of remote queries, such as error codes, status information, etc.,
and/or protocols and/or sequence controls for addressing or reprogramming other
control units via the vehicle bus are stored in the non-volatile buffer memory.